

Special Issue

Geosciences in the Banda Arc Region: Resources, Hazards and Sustainable Development

Message from the Guest Editors

This Special Issue of *Minerals* explores the mineralogical, geological, geochemical, geophysical, and environmental dimensions of the Banda Arc system and surrounding regions across Asia. The Banda Arc represents one of the most complex tectonic systems globally, involving arc–continent collisions between the Australian Plate, the Banda Slab, and several microplates....However, the region faces severe geological risks such as frequent seismicity, volcanic activity, and landslides, which threaten infrastructure and populations while complicating the sustainable exploitation of resources. Sedimentary archives provide valuable insights into landscape changes and hazard-related processes across the Asian tectonic framework.

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Deadline for manuscript submissions

20 March 2026



Minerals

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Impact Factor 2.2
CiteScore 4.4



mdpi.com/si/246814

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About the Journal

Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).